

1      **CLAIMS**

2      1.     A method comprising:  
3            receiving a first event at a first event filter, the first event filter having an  
4            associated filter criteria;  
5            applying the filter criteria associated with the first event filter to the first  
6            event;

7            if the first event satisfies the filter criteria associated with the first event  
8            filter, then:

9                    transforming the first event into a second event; and  
10                  communicating the second event to a second event filter having an  
11                  associated filter criteria, the second event filter being associated with an  
12                  event consumer, wherein the event consumer performs an action if the  
13                  second event satisfies the filter criteria associated with the second event  
14                  filter.

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16      2.     A method as recited in claim 1 wherein the second event includes a  
17            header having a plurality of parameters, wherein the event header has a standard  
18            data format regardless of event source.

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20      3.     A method as recited in claim 1 wherein the second event includes a  
21            payload including a plurality of payload objects.

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23      4.     A method as recited in claim 1 wherein the second event filter has no  
24            knowledge of the first event.

1           5. A method as recited in claim 1 wherein communicating the second  
2 event to a second event filter further comprises communicating the second event to  
3 a plurality of event filters, each of the plurality of event filters having an  
4 associated filter criteria.

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6           6. A method as recited in claim 1 wherein communicating the second  
7 event to a second event filter further comprises communicating the second event to  
8 a plurality of event filters, each of the plurality of event filters having an  
9 associated filter criteria and each of the plurality of event filters being associated  
10 with one of a plurality of event consumers, wherein each of the plurality of event  
11 consumers performs an action if the second event satisfies the filter criteria  
12 associated with the corresponding event filter.

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14           7. A method as recited in claim 1 wherein the action performed by the  
15 event consumer if the second event satisfies the filter criteria associated with the  
16 second event filter is logging the second event to a storage device.

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18           8. A method as recited in claim 1 wherein the action performed by the  
19 event consumer if the second event satisfies the filter criteria associated with the  
20 second event filter is forwarding the second event to a destination.

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22           9. A method as recited in claim 1 wherein the action performed by the  
23 event consumer if the second event satisfies the filter criteria associated with the  
24 second event filter is generating an email message.

1       **10.** One or more computer-readable memories containing a computer  
2 program that is executable by a processor to perform the method recited in claim

3       1.

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5       **11.** A method comprising:

6       receiving a first event having a first format;

7       transforming the first event into a second event having a second format,

8 wherein transforming the first event into a second event comprises:

9       generating an event header having a plurality of parameters, wherein  
10      the plurality of parameters are arranged in a standard data format; and

11      generating an event payload having a plurality of payload objects,  
12      wherein the plurality of payload objects identify at least one action to  
13      perform in response to the event.

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15      **12.** A method as recited in claim 11 further comprising applying the  
16      plurality of parameters in the event header to a filter to determine whether the  
17      associated event meets criteria associated with the filter.

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19      **13.** A method as recited in claim 11 wherein the plurality of parameters  
20      are arranged in a standard data format regardless of the first event source.

1       **14.**    A method as recited in claim 11 further comprising:

2               applying the second event to an event filter having an associated filter  
3               criteria; and

4               communicating the second event to an event consumer if the second event  
5               satisfies the filter criteria associated with the event filter.

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7       **15.**    One or more computer-readable memories containing a computer  
8               program that is executable by a processor to perform the method recited in claim  
9               11.

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11       **16.**    An apparatus comprising:

12               an event transformer to receive a first event and transform the first event  
13               into a second event, the second event having a standard data format regardless of  
14               the first event data format;

15               a plurality of event filters coupled to the event transformer, the event filters  
16               to apply filter criteria to the second event; and

17               a plurality of event consumers coupled to the plurality of event filters, the  
18               event consumers to perform an action if the second event satisfies the filter criteria  
19               applied by the event filters.

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21       **17.**    An apparatus as recited in claim 16 wherein the event transformer  
22               operates independently of the event filters and independently of the event  
23               consumers.

1           **18.** An apparatus as recited in claim 16 wherein the second event  
2 includes an event header having a plurality of parameters arranged in a standard  
3 data format.

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5           **19.** An apparatus as recited in claim 16 wherein the second event  
6 includes an event header having a plurality of parameters arranged in a standard  
7 data format, and wherein the plurality of parameters in the event header are  
8 applied to the event filters to determine whether the associated event satisfies the  
9 filter criteria.

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11           **20.** An apparatus as recited in claim 16 wherein the second event  
12 includes an event payload having a plurality of payload objects.

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14           **21.** An apparatus as recited in claim 16 wherein the second event  
15 includes an event payload having a plurality of payload objects, and wherein the  
16 plurality of payload objects identify at least one action to perform in response to  
17 the event.

1           **22.** One or more computer-readable media having stored thereon a  
2 computer program that, when executed by one or more processors, causes the one  
3 or more processors to:

4           receive a first event having a first data format;  
5           filter the first event using a first filter criteria;  
6           transform the first event into a second event having a second data format if  
7 the first event satisfies the first filter criteria, wherein the second data format  
8 includes an event header having a plurality of parameters and an event payload  
9 having a plurality of payload objects; and  
10          communicate the second event to an event action handler if the first event  
11 satisfies the first filter criteria.

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13           **23.** One or more computer-readable media as recited in claim 22  
14 wherein the plurality of parameters in the event header are arranged in a standard  
15 format.

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17           **24.** One or more computer-readable media as recited in claim 22  
18 wherein the plurality of parameters in the event header are used to filter the second  
19 event.

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21           **25.** One or more computer-readable media as recited in claim 22  
22 wherein the plurality of payload objects in the event payload are used to identify at  
23 least one action to perform in response to the second event.

1           **26.** One or more computer-readable media as recited in claim 22  
2 wherein the plurality of payload objects in the event payload are used by an event  
3 consumer that receives the second event to identify an action to perform in  
4 response to the second event.

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6           **27.** One or more computer-readable media as recited in claim 22  
7 wherein the event action handler performs at least one action in response to the  
8 second event.

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